



# NITFS

## Compliance Registration



**Product:** CIP v7.2a with Global Hawk  
Imagery

**Sponsor:** USAF CIP Program Office

**Date:** 09 March 2010  
**Expiration:** 08 March 2012  
**Registration #:** 1047

**Developer:** Northrop Grumman Corporation

- Initial Registration
- Supplemental/Update 103#
- Derived from Reg. #

Complexity Level						
NITF 2.1 CLEVEL		3	5	6	7	
Interpret	General					
NITF 2.0 CLEVEL						
Interpret	1	2	3	4	5	6 Oth
Generate						

### Configurations Tested:

- 2 Servers (A&B); Compaq ES45, 1250 MHz\*4CPUs and Tru64 UNIX V5.1B

**System**  
N-0105/98, §4.1.1

**Product**  
N-0105/98, §4.1.2

**Component**  
N-0105/98, §4.1.3

\*\* NITF 2.0 feature  
\* NITF 2.1 feature

### NITFS Features Implemented:

#### Format

- NITF
- 2.1
- 2.0
- 1.1
- NSIF
- 1.0

#### Pixel Value Types

- Boolean
- Integer
- Signed Integer \*
- IEEE Real \*
- IEEE Complex \*

#### Annotation Segment Types

- Bit Mapped \*\*
- CGM, 2301
- CGM, 2301A
- Labels \*\*

#### Text Segments

- STA
- UT1
- U8S
- MTF

#### Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR

#### Image Compression

- No compression
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Bi-Level
- Vector Quantization

#### Data Extension Segments

- TRE\_OVERFLOW
- STREAMING\_FILE\_HEADER
- Controlled Extensions \*\*
- Registered Extensions \*\*

#### Tagged Record Extensions

- ASDEs
- ICHIPB
- REGPTB
- MTXFIL

#### Legend

- Fully implemented
- Partially implemented
- Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

VALERIE BAKER, Lt Col, USAF, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program